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TM 2665/8
MH-5070

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Sahinoglu, et al.

:
: Art Unit: 2665

Serial No: 09/842,973

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: Ex.: Examiner: D. Ryman

Filed: April 26, 2001

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* Title: ADAPTIVE BANDWIDTH ALLOCATION BY WAVELET DECOMPOSITION AND ENERGY ANALYSIS OF NETWORK TRAFFIC

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

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- (1) the Certification under 37 CFR 1.97(e) as set out below; AND
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- (3) Authorization to charge the petition fee of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby certifies that:

 each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

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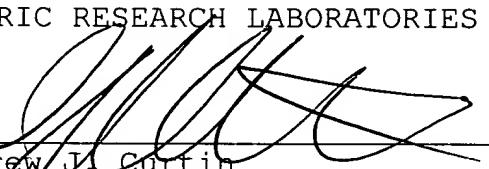
 no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

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Respectfully submitted,

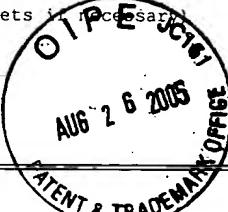
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Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MH-5070	Serial Number: 09/842,973
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			
 <p>Applicant: Sahinoglu et al.</p>			
Filing date: April 26, 2001		Group art area: 2665	

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	H. Saran, S. Keshav, "An empirical Evaluation of Virtual Circuit Holding Times in IP over ATM Networks," Proc. of INFOCOM 1994
2.	Y. Afek, M. Cohen, E. Haalman, Y. Mansour, "Dynamic Bandwidth Allocation Policies," 0743-166X/96 IEEE
3.	S. K. Biswas, R. Izmailov, "Design of a fair Bandwidth allocation Policy for VBR Traffic in ATM Networks," IEEE/ACM Trans. On Networking, V:8, N:2, April 2000
4.	M. W. Garrett, W. Willinger, "Analysis, Modeling, and Generation of Self-similar VBR Video Traffic," ACM SIGCOMM, London, 1994
5.	S. Chong, S. Li, J. Ghosh, "Predictive Dynamic Bandwidth Allocation for Efficient Transport of Real Time VBR Video over ATM," IEEE Journal on Selected Areas in Comm, V:13, N:1, pp. 12-23, 1995
6.	Zhang et al., "RED-VBR: A new approach to support delay-sensitive VBR video in packet-switched networks," Proc. NOSSDAV, pp. 258-272 1995
7.	Abry et al., in "Wavelet Analysis of Long Range Dependent Traffic," IEEE Trans. Inform. Theory, V:44, pp. 2-15, Jan. 1998
8.	Sahinoglu et al., in "Self-similarity and Its Effects on Network Performance," IEEE Comm. Magazine, January 1999
9.	R. Riedi, M. S. Crouse, V. J. Ribeiro, R. G. Baraniuk, "A Multifractal Wavelet Model with application to Network Traffic," IEEE Trans. On Information Theory, V:45, N:3, April 1999

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